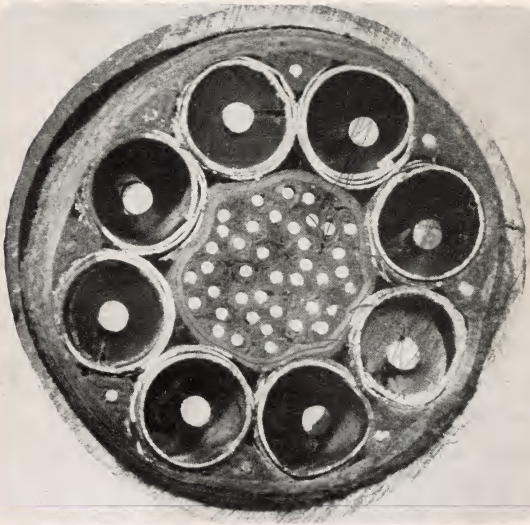
TELEVISION Forecast

JANUARY 10, 1949



COAXIAL CABLE CROSS-SECTION

WBKB WENR-TV WGN-TV WNBQ

"CHICAGOLAND'S FAMILY TELEVISION THEATRE"

Monday thru Saturday, 2:00 P.M.
"Television Matinee"
Two hours of variety films

Tuesday, January 11, 8:30-10:15 P.M.
"Opening of the
Coaxial Cable"

Sunday, 8:00 P.M.
"Toast of the Town"
with Ed Sullivan and Guests
from CBS-TV Network

WGN·TV CHANNEL 9

TELE-MIRACLE!

Coaxial Network Opens Tuesday

Plan to stay home Tuesday night, January 11 for a history-making television show! For on this night the miracle of electronics—aided by coaxial cable—will join Chicago and New York in a special program dedicated to the new television network. Beginning at 8:30 o'clock, a full evening of entertainment will be sponsored by Chicago and east coast video stations, and the Bell System of the American Telephone and Telegraph company.

Awaited eagerly by our thousands and thousands of readers, the east-midwest network will provide telereceivers with outstanding video shows heretofore impossible to receive because of the limited range of FM, the audio on television sets.

That strange picture on the cover of this issue is a cross section of coxial cable. To transmit one television program requires a very wide band of frequencies, wide enough to carry hundreds of telephone conversations. Coaxial cable's large capacity enables it to carry the complex signal necessary for video. Naturally some special equipment must be added to adapt a coaxial tube and its terminal appartus for TV.

The story of coaxial cable is a story of research and development by the Bell System. Coaxials are copper tubes, the size of a little finger. Down the center of these tubes runs a copper wire, held in place by insulating discs spaced about an inch apart. These are called "coaxial" because both the tube and wire have the same axis. Most Bell System coaxial cables contain eight of these tubes, making them about as big around as a man's arm.

Speeding through these tubes almost as fast as light travels is electrical energy, guided to its destination instead of spreading in all directions as in ordinary radio broadcasting.

In order to obtain many different voice pathways for separate conversations within a tube, the frequency band is divided up into separate channels. At the cable ends, the individual channels are precisely selected and set apart by crystal filters in a manner similar to that by which your receiver tunes in a single station.

Coaxial cable is one of the two types of facilities used by the Bell System in its intercity televison networks. Next week *Television Forecast* will explain the other type: radio relay, an entirely different method of transmitting communication services. (Radio relay uses sharply focused microwave radio beams, which are transmitted aerially along a chain of relay towers.)

To minimize the chance for breaks in coaxial cable, the Bell System network is placed underground where it is secure from storms, fires, falling trees, stray shots from hunters' rifles and natural menaces to aerial lines. In open terrain it is buried directly in soil. In cities, or under highways and railroads, it is placed in conduit.

Every precaution has been taken to protect this precious cable. Where lightning storms are frequent, a special copper jacketing is placed over the regular lead sheath to carry away the enormous electrical currents. In rocky sections the extra wear and tear in placing the

(*Continued on page* 13)

TELEVISION *Forecast*

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Television Forecast for

Monday

January 10, 1949

AN ADDED SERVICE—Tune in on our radio program on WCFL, 4:40 p.m., Mondays and Fridays for the latest program changes for the entire week.

WENR-TV Channel 7

6:00—Test Pattern and Dinner Music.
6:30—FILM SERIAL.
"Custer's Last Stand."
6:45—UNCLE MISTLETOE.
7:00—FILM SHORTS.
7:30—DOLLARS AND SENSE.
8:00—FILM SHORTS.
8:30—SKIP FARRELL SHOW.

WGN-TV Channel 9

2:00—TELEVISION MATINEE.
Two hour variety film show.
6:00—Test Pattern and Dinner Music.
7:00—COMING ATTRACTIONS.
7:27—LATE NEWS HEADLINES.
7:30—LITTLE BORDY for the Children.
8:00—CHICAGOLAND NEWSREEL.
8:15—SPORTSMEN'S CORNER
with Jack Brickhouse.
8:25—NEWS.
8:30—CHICAGOLAND TELEVISION MYSTERY THEATER.
9:00—"MURDER IN DIAMOND ROW."
An Alexander Korda feature film starring Edmund Lowe.
10:30—CHICAGOLAND NEWSREEL.

WBKB Channel 4

5:07—Test Pattern.
5:24—TICKER TAPE NEWS.
5:30—FUNNY BUSINESS with
Manny Opper and Adele Scott
6:00—KUKLA, FRAN and OLLIE.
Laughter for the whole family.
6:30—FILM.
6:45—YOUR CURBSTONE CUT-UP
with Ernie Simon.
7:00—AT OUR HOUSE with Jim and Edie Dexter. Television's answer to "Easy Aces."
7:20—FILM.
8:00—TELENEWS with John Dunham.
8:10—FILM.
8:30—WRESTLING from Midway Arena with Russ Davis describing.
10:30—HEADLINE NEWS.

(Subject to Change)

ANGEL CASEY, secretary to the editor on WENR-TV's "Stump the Authors," not only assists with props but is an essential behind-the-scenes aid on this Sunday show. She's what is known in tele-slang as a "blizzard head" (blonde). Show will be seen 5:30 p.m., January 16 on channel 7.

New WBKB Antenna To Improve Picture

The "highest TV antenna in Chicago" will be put into operation early in April by WBKB, channel 4, when construction work is completed on the installation of the station's new transmitter atop the American National Bank building, 33 North La Salle; it was announced today.

Recently approved by the F.C.C., the new antenna and transmitter is expected to improve the picture of the channel 4 station, removing all ghost images now caused by buildings in the State-Lake region. Home televiewers will not have to adjust their antennas, engineers report.

William Kusack, engineer in charge, describes the new antenna as a 68 feet, 5 section, super-turnstile giant to be placed on a tower 135 feet above the building, giving a total height of 700 feet above street level. Atop it will be a beacon and lightning rod. The new 5 kilowatt RCA transmitter is being installed on the 39th floor of the building. Signals from the studios at 190 North State will be relayed via coaxial cable.

It is expected the new equipment will enable WBKB to reach a potential audience of 4,516,000 telefans.

Expect More Changes As Network Opens

Chicagoland televiewers can expect many changes in programming the next two weeks as a result of the opening of east-west network facilities via coaxial cable.

The most accurate program listings available at press time are published in this issue. They will be supplemented by late news flashes aired on *Television Forecast's* special program on WCFL each Monday and Friday at 4:40 p. m.

Chicago station executives report changes will be made with little advance notice until allotments of coaxial cable time are decided and programming settles down.

Chicago alone will not experience this. New York, Cincinnati, and Milwaukee programming will also undergo changes.

WNBQ Now Offering Full Time Schedule

Chicago's newest station, WNBQ channel 5, begins its first week of full-time programming via the facilities of the National Broadcasting company. With studios located in the Merchandise Mart, WNBQ will offer a pattern of station and remote programs, and on Wednesday, Jan. 12 will begin some eastern seaboard network pickups relayed via coaxial cable.

Programs up until Jan. 8 had been experimental. However, reports from readers indicate the channel 5 station had been received clearly in Illinois, Indiana, Wisconsin and Michigan.

Gradually NBC feature programs will be added to the schedule of WNBQ. Whether Chicago will be an originating point for some network shows could not be learned from NBC.

TV Promotes Safe Driving

Television is seeking to curb drunken drivers through video demonstrations of the Drunkometer via WENR-TV, channel 7, by special arrangement with Mayor Martin H. Kennelly and the Chicago traffic division. The reaction of the nervous system to alcohol is dramatically presented and indicates how TV can be utilized in producing educational programs.

Television Forecast for

Tuesday

January 11, 1949

WGN-TV Channel 9

2:00—TELEVISION MATINEE. Two hour variety film show.
6:00—Test Pattern and Dinner Music.
7:00—COMING ATTRACTIONS.
7:27—LATE NEWS HEADLINES.
7:30—LITTLE BORDY.
8:00—CHICAGOLAND NEWSREEL.
8:15—PERSONALITY PROFILES with Dorsey Connors.
8:30—OPENING OF THE COAXIAL CABLE.
10:15—CHICAGOLAND NEWSREEL. Local, national and international news.

WBKB Channel 4

5:07—Test Pattern.
5:24—TICKER TAPE NEWS.
5:30—FUNNY BUSINESS with Many Opper and Adele Scott.
6:00—KUKLA, FRAN and OLLIE. Something new every minute.
6:30—LITTLE OTTO. Dick Snyder makes friends at his drawing board.
6:45—YOUR CURBSTONE CUT-UP.
7:00—FILM.
7:15—FILM "Roving Cameras."
7:30—Joe Wilson's HOT STOVE LEAGUE. Experts vs the fans.
7:45—FILM.
8:00—TELENEWS with John Dunham.
8:15—MIDGET BOXING with Jim Ameche describing these bouts.
8:30—FEATURE FILM. "King of the Zombies."
9:30—HEADLINE NEWS.

WENR-TV Channel 7

6:00—Test Pattern.
6:30—FILM SERIAL. "Custer's Last Stand."
6:45—UNCLE MISTLETOE.
7:00—FEATURE FILM.
8:00—CARTOON CONTRASTS.
8:30—Film Shorts.
9:00—BOXING.

(Subject to Change)

Edam or Gouda Cheese Popular at TV Parties

By PATRICIA COOPER

Now that you've discovered how popular TV parties were during the past holidays, it's time to jot down new recipes and suggestions for Hors D'oeuvres to serve to those ever-hungry telefans who gather around your set.

Cheeses are a winter favorite to many, and are easy to serve on short notice to neighbors or friends who drop in unexpectedly to see the telecasts of polo matches or Blackhawk hockey battles.

Edam cheese lends itself well to a TV Party. In the center of a cheese tray place an Edam or Gouda cheese, hollowed and refilled with a mixture easily made:

Crumble the removed part, and combine with:

2 teaspoons or more Worcestershire sauce
1 tablespoon prepared mustard
A few grains of cayenne
1 or 2 tablespoons fresh or dried herbs, minced

The refilled cheese shell is then surrounded by toasted crackers.

Don't be afraid to try different cheeses. Old favorites like American or cream cheese are fine, but next time you entertain why not serve Camembert, Port de Salut, Gruyere, Sharp Cheddar or Roquefort. Men will especially like the new blends of smoked cheese spreads now available at neighborhood shops.

Children's TV Parties offer even more fun. Next week we will print suggestions on how to enliven an afternoon for tiny tots. If you have a favorite recipe, send it in to this department.

Make Musical Films

Musical films for television are being made by Leopold Stokowski and producer Henri Leiser. Live and animated pictures will interpret classical and semi-classical scores.

Kup's Beard Disappears; New Make-up Turns Trick

When video experts want to test makeup, they call in Irv Kupcinet, Sun-Times columnist and star of Kup's Show-Up seen on WBKB. Last week Jackie Smith formulated a new makeup called Tele-Chromatic, designed to hide beards, wrinkles and circles, and hold down perspiration. Kup's bristly five o'clock shadow was successfully disguised, which means formulist Smith's mixture will be used henceforth on channel 4.

"Roving Cameras" Is New

"Roving Cameras" is the new film to be shown on WBKB Tuesday and Thursday at 7:15 p.m., this week. Produced by Telefilm and its world wide staff of cameramen, "Roving Cameras" show everything from odd jobbs to training jumping horses, racing car construction to motorbike contests.

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Television Forecast for

Wednesday

January 12, 1949

WBKB Channel 4

5:07—Test Pattern.
5:24—TICKER TAPE NEWS.
5:30—FUNNY BUSINESS with Manny Opper and Adele Scott.
6:00—KUKLA, FRAN and OLLIE and the rest of the Kuklapolitan troup.
6:30—FILM.
6:45—YOUR CURBSTONE CUT-UP with Ernie Simon.
7:00—FILM.
7:30—DAFFY DERBY with Ernie Simon.
7:50—TELENEWS with John Dunham.
8:00—TELE-CHARADES with Ed Roberts. Test your skill against the college groups.
8:30—FEATURE FILM. "Across the Plains."
9:30—HEADLINE NEWS.

WENR-TV Channel 7

6:00—Test Pattern and Dinner Music.
6:30—FILM SERIAL. "Custer's Last Stand."
6:45—UNCLE MISTLETOE.
7:00—SET 'EM UP. Bowling show.
7:30—FEATURE FILM.
8:30—WRESTLING from the Rainbo Arena.

WGN-TV Channel 9

2:00—TELEVISION MATINEE.
6:00—Test Pattern and Dinner Music.
7:00—COMING ATTRACTIONS.
7:27—LATE NEWS HEADLINES.
7:30—LITTLE BORDY puppet show.
8:00—CHICAGOLAND NEWSREEL. Local, national and international news.
8:15—SPORTSMEN'S CORNER with Jack Brickhouse.
8:30—SPARKLING TIME with Chuck Dabney, popular mimic.
9:00—CLUB TELEVISION. Chicago's original video night club.
10:00—SPELL WITH ISBELL. Harold Isbell conducts a televised spelling bee.
10:30—CHICAGOLAND NEWSREEL.

(Subject to Change)

HOME ISN'T THE SAME SINCE

The telephone rings: "Is this Euclid 6512? Is this the Editor of *Television Forecast?* Well, my husband is wondering if you'd come over and help him adjust our antenna. We're having trouble getting WTMJ-TV, Milwaukee."

It usually happens the night you've made plans to stay home and watch the hockey game!

Not too long ago there was an emergency call concerning one of our neighbors—his wife frantically shouting that George had stepped through the roof when he embarked on an adventure to check his diapole. With the help of the local fire department we rescued George. Lately he hasn't been bothered by ghosts or TV interference.

Mrs. Kubicek frequently reports on the popularity of our television room in the late afternoons when the smaller fry for miles around casually drop in to see Kukla, Fran and Ollie before scurrying off home to supper.

An hour or so later, your editor comes home and helps collect the left-behind marbles, baseball cards, mufflers and mittens forgotten by enchanted youngsters who prior to television wouldn't believe dragons could talk.

We don't know a television set owner that has troubles finding a baby sitter lately. In fact, the odds are 10 to 1 anyone with a receiver will have a choice of applicants . . . something owners of old fashioned radios can't say.

"If only you'd look here for a minute, Mother, maybe you'd like Television!"

"Cornwell, did you have the Hockey game on last night?"

Television does present problems, though. For one thing, you just never have enough chairs around the house. Lately our friends have been bringing their own, and the scene is somewhat like the summer evening concert festivals up at Ravinia Park. In fact, only yesterday a Chicago inventor visited us to demonstrate a collapsible folding chair any woman can carry in her purse! Understandable, when you look at some bags being worn this year.

Problem No. 2: there never are enough beverages in the refrigerator. What with TV parties outdrawing bridge, backgammon and chinese checkers at home, Coke consumption triples.

There was a time when the evening newspaper was carefully read as part of the routine following supper. Now the kids drop their homework, the wife puts aside her knitting, and everyone grabs an easy chair to watch a night of video.

TELEVISION, EDITORS SAY—

Naturally you consult the current copy of *Television Forecast*, especially when guests are over, for a clue as to what is the evening's best entertainment. Have you ever had a guest say "Page 11 is missing—the programs for tonight," and you discover your wife's afternoon guests clipped out the recipe for Fatigmänd Bäkles introduced by Pat Cooper in her new TV Party column.

We've been flooded with calls re: Bäkles. In Norwegian they mean Poor Man's Cookies, since the recipe calls for a dozen eggs. Added note: you're poor after making a batch of Bäkles, pronounced fahteemon bah-kuls.

It used to be Saturdays were an excellent time for the man of the house to wash windows, rake leaves, or clean out the basement. That's all a thing of the past if you have television in your home. You just don't have time.

In fact, nothing is the same anymore. Would you want it to be?

—R.A.K.

"You and your popcorn-television combination! Don't you remember how to turn it off?"

"I'm looking for something light enough to carry over to the neighbors when we watch television."

Interested in TV? Attend WENR-TV Forums

As a non-telecast public service, WENR-TV currently is sponsoring question and answer forums on matters pertaining to television, Fridays at 9 p.m., following each telecast of Vaudeo Varieties. The sessions, which are open to the public, feature discussions by outstanding personalities of the behind-the-scenes operation at WENR-TV, Civic Opera Building, 20 N. Wacker Drive.

Forums are conducted by Eddie Hubbard, and questions, asked by the studio audience, are answered by staff personnel including Fred Kilian, director of television programming; Jack Gibney, executive producer; Monte Fassnacht, production director; Nancy Goodwin, staff writer; and Frank Koerner, engineering technical director.

Accident Prevention Show

Detroit televiewers are warned of traffic hazards via video. WWJ-TV is now offering films for the worst accidents of the week, and versions of how they happened.

Television Forecast for

Thursday

January 13, 1949

WENR-TV Channel 7

7:00—PICK AND PAT.

9:00—CLUB SEVEN with John Thomsen.

9:30—QUIZZING THE NEWS.

WGN-TV Channel 9

2:00—TELEVISION MATINEE. Two hour film show.

6:00—Test Pattern and Dinner Music.

7:00—COMING ATTRACTIONS.

7:27—LATE NEWS HEADLINES.

7:30—LITTLE BORDY.

8:00—CHICAGOLAND NEWSREEL.

8:15—INDIVIDUALLY YOURS with Celeste Carlyle.

8:30—WRESTLING from Madison AC with Jack Brickhouse describing.

10:45—CHICAGOLAND NEWSREEL.

WBKB Channel 4

5:07—Test Pattern.

5:24—TICKER TAPE NEWS.

5:30—FUNNY BUSINESS with Manny Opper and Adele Scott.

6:00—KUKLA, FRAN and OLLIE. Television's greatest show.

6:30—FILM.

6:45—YOUR CURBSTONE CUT-UP with Ernie Simon.

7:00—FILM.

7:30—Joe Wilson's HOT STOVE LEAGUE. Experts vs. fans.

7:45—FILM.

8:00—TELENEWS with John Dunham.

8:15—FEATURE FILM. "Gangster Boy."

9:15—TREASURY BOND SHOW.

9:45—HEADLINE NEWS.

WNBQ Channel 5

8:30—FLOOR SHOW starring Dunninger, the mentalist, Paul Winchell, the ventriloquist, Peg Marshall and the Holidays, a vocal group.

(Subject to Change)

TV Takes Special Fashions, Make-up

By CELESTE CARLYLE

Television fashions and special video make-up are two subjects of interest to women tele-fans. When the editors of this magazine asked me to write a special article on "How to Make the Most of Your Appearance on TV," it was an assignment a bit different from my WGN-TV show.

Let's go behind-the-scenes and study make-up. I feel this is as much an individual problem as is street make-up because every face presents a different need. For men on television it is less of a problem because all they need to do is to appear husky and masculine, not pasty-faced.

I predict TV will make mustaches popular because most men would rather grow them than use lip paint. And it does add a masculine touch.

But with the ladies it becomes more involved. One girl will need a great deal of attention on her eyes and brows, another will have a jawline or chin problem. A dark finish is good in every case, with a lipstick brown, blue or purple in hue.

Clothes and jewelry present varied problems. It is wise to break up masses of dark color—yet unwise to get a cluttered or "busy" effect. If the individual can visualize her appearance in tones and gradations of grey—as color appears on the screen—she will be better able to clothe herself effectively.

Dark solid colors are better than black. Clean-cut lines and close silhouettes are better than broken or flowing lines. The quality of the fabric and cleverness of design are lost in television, which in my opinion makes most fashion shows impractical.

(*Continued on page* 14)

Five Nets to Stage Coax Opening Tuesday

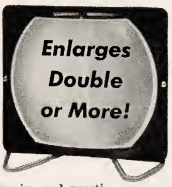
Five Television networks will combine to present one of Videos most outstanding shows Tuesday night, January 11, when the New York to Chicago Coaxial Cable will be opened and network transmission becomes a reality.

From 8:30 to 8:45 the Bell system will open the cable lines officially. Mr. Wayne Coy, chief of the FCC, will be one of the principal speakers. From 8:45 to 9:00 acceptance speeches will be made by CBS, ADC, NBC, DuMont and WPIX networks.

Following, each network will be given fifteen minutes to present special shows to New York and Chicago televiewers. WGN-TV will be represented by WPIX, CBS, and DuMont; WENR-TV by ABC, WNBQ by NBC.

"WALCO's NEW BABY"

MODEL 712



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Television Forecast for

Friday

January 14, 1949

AN ADDED SERVICE—Tune in on our radio program on WCFL, 4:40 p.m. Mondays and Fridays for the latest program changes for the entire week.

WGN-TV Channel 9

2:00—TELEVISION MATINEE. Two hour film show.
6:00—Test Pattern and Dinner Music.
7:00—COMING ATTRACTIONS.
7:27—LATE NEWS HEADLINES.
7:30—LITTLE BORDY puppet show for the children.
8:00—CHICAGOLAND NEWSREEL. Local, national and international news.
8:15—SPORTSMEN'S CORNER with Paul Fogarty.
8:30—NEWS.
8:35—MAN ABOUT TOWN with Nate Gross.
9:00—BOXING from the Madison AC with Jack Brickhouse describing.
10:00—CHICAGOLAND NEWSREEL.

WBKB Channel 4

5:07—Test Pattern.
5:24—TICKER TAPE NEWS.
5:30—FUNNY BUSINESS with Manny Opper and Adele Scott.
6:00—KUKLA, FRAN and OLLIE. Laughter for the whole family.
6:30—SUN-TIMES COMICS.
6:45—YOUR CURBSTONE CUT-UP. with Ernie Simon. Old songs, old jokes done in a brand new way.
7:00—"KIDDIE PARADE."
7:30—FILM.
7:50—TELENEWS with John Dunham.
8:00—TOUCHDOWN.
8:30—"UNDER 21," Chicago's official teen age show.
9:00—FEATURE FILM. "Law of the Jungle."
10:00—HEADLINE NEWS.

WENR-TV Channel 7

6:00—Test Pattern and Music.
6:30—FILM SERIAL, "Custer's Last Stand."
6:45—UNCLE MISTLETOE.
7:00—FEATURE FILM.
8:00—EARLE WRIGHTSEN, Baritone.
8:30—WRESTLING—From the Coliseum, "Gorgeous" George vs. Ralph Garibaldi.

(Subject to Change)

Television Forecast for

Saturday

January 15, 1949

WBKB Channel 4

7:15—Test Pattern.

8:00—WESTERN FILM. "Lone Star Law Men."

9:00—FILM.

9:30—HEADLINE NEWS.

WENR-TV Channel 7

7:00—Test Pattern.

7:30—FILM SHORTS.

8:00—CRITIC AT LARGE.

8:30—INDOOR POLO.

WGN-TV Channel 9

2:00—TELEVISION MATINEE. Two hours of variety films.

(Subject to Change)

WTMJ-TV

Because of programming difficulties, WTMJ-TV, Milwaukee, was unable to get its program listings to us before the editorial deadline.

TO OUR READERS

Chicago television stations ask that set owners be patient in regard to the possible changes of programming the network facilities will bring. Sudden, last-minute changes will be made as time allotments are purchased and distributed. The most accurate listings will be made available by this magazine, and its special program on WCFL Mondays and Fridays, 4:40 p.m.

Notes From Readers . . .

Readers are invited to write letters to this magazine. Address: Editor, *Television Forecast*, 185 North Wabash, Chicago, 1. Letters should contain name and address; name will be withheld on request.

Sirs:

Those nasty little notes you've been printing about Ernie Simon are not the least bit amusing. I for one enjoy Ernie, and those that don't are certainly not forced to listen to him. . . . How about printing something nice about Ernie Simon for a change?

Chicago, Ill. **MRS. ROBERT TAYLOR**

Sirs:

I know it is not your fault Ernie Simon is on TV, but I for one would like to ask him face to face what does he gain by being so everlastingly sarcastic? . . . I know I am not alone when I say I dislike his attitude. . . .

Chicago, Ill. **MRS. A. M.**

Sirs:

I like basketball and I'm sure many other people do. Why don't they have it on TV this year, as last?

Whiting, Ind. **GEORGE KOMINSKY**

Sirs:

This is a cry for help! This city is fast becoming a forest of antenna masts in an effort to get a consistently good picture. We consider nothing less than 50 ft. above the ground. Can't something be done to get us a stronger signal?

Kankakee, Ill. **E. J. ROY**

Sirs:

What is the future of television? I understand people are attending fewer movies, reading fewer books, less of newspapers, because of the increased time devoted to watching illiterate and unfunny disc jockeys and nightclub comedians (?) who are making video as bad as radio. Are the forces that control television competent to use this electronic miracle for the good of the people?

Chicago, Ill. **J. F. McCARTHY**

The F.C.C. is guiding video. Stations must provide a service to the public to keep their license.—Ed. note.

(Bell System Photo)

Three tractors, in tandem, pull the Bell System's 27-ton cable-laying plow the C-60. Just behind the plow, coaxiable cable (necessary for television transmission in networks) may be seen entering the slotted plowshare. Details of the story begin on page 3.

Coaxial Network . . .

(*Continued from page* 3)

cable is met with an armor covering.

Even gophers, with their strong jaws and sharp teeth, offer a problem in protection along some routes. To make the cable less appetizing, a wrapping of steel tape is put around them.

Let's look into the nervous system of the coaxial system. If a slight break should occur anywhere along a coaxial line, an electrical signal shoots along its nerves, calling for the doctor. Furthermore, the cable itself can administer first aid and make some routine repairs.

For example, if the volume at a repeater station (spaced 75 to 150 miles apart) fails an automatic volume regulator attempts to restore it to normal. However, if it's too big a job, or is transmission is interrupted, the reguator notifies the main repeater station along one of the cable's nerve conduits. This station then automatically makes a switch to the spare coaxial pair which is always standing by. This switch is made so fast that it cannot be detected by anyone.

The cables are filled with nitrogen gas under pressure. If the cable's sheat becomes torn, gas escaping through the hole effects first aid, and also flashes a warning signal. Moisture, which could cause trouble, is kept out by the escaping gas. And the reduced gas pressure in the cable sets off an alarm at the nearest Bell System repeater station.

To accurately locate the trouble, repairmen use a system of pressure contractors and valves.

The Bell System coaxial cable construction program for television and phone facilities is now in high gear, according to spokesmen of the company who aided in this special story for *Television Forecast.* By the end of 1950, approximately 12,000 miles of cable are expected to be installed.

Laying of the cable is accomplished by tractor-drawn plow-trains which open a furrow and lay the cable in it. The latest, most powerful type of plow is the 27-ton C-60 familiarly known as "Mickey Mouse."

ON THE COVER

Here is the story of Coaxial Cable, tubes which carry electrical energy at almost the speed of light, and which will bring you video entertainment from New York.

Making its way through almost any kind of terrain, "Mickey Mouse" feeds cable through its slotted blade into the ground and fills in the trench as it moves forward. At river crossings, plow trains give way to barges and dredges and high-pressure water jets are used to trench the cable in the stream bed.

Television Forecast for

Sunday

January 16, 1949

WENR-TV Channel 7

4:00—SUPER CIRCUS. Show for young and old under the "big top."

5:30—SINGING LADY with Irene Wicker.

6:00—FEATURE FILM.

7:00—HOLLYWOOD SCREEN TEST and ACTORS STUDIO.

7:30—ABC TELEVISION PLAYERS. Drama.

8:00—SECOND GUESSER. Comedy quiz.

8:15—FILM SHORTS.

8:30—WHAT DO YOU THINK. "Great Books" discussion groups.

WGN-TV Channel 9

6:00—REEL ADVENTURES. Amateur films.

6:30—CHICAGO TRIBUNE COMICS. Walt Newton reads the funnies.

7:00—ORIGINAL AMATEUR HOUR. DuMont Television Network.

8:00—TOAST OF THE TOWN. Ed Sullivan, Ray Block's orchestra and guests.

9:00—STARS OF TOMORROW. WGN amateur show televised as it is being broadcast.

9:30—CHICAGOLAND NEWSREEL REVIEW. News of the world.

WBKB Channel 4

6:15—Test Pattern.

6:30—FILM FEATURE. Flying with Music."

8:00—TELENEWS.

8:30—FEATURE FILM. "Romano of the Limer Lost."

9:30—HEADLINE NEWS.

WNBQ Channel 5

7:10—STOP ME IF YOU'VE HEARD THIS ONE.

7:40—AMERICAN SONGS.

8:00—TELEVISION PLAYHOUSE. A dramatic presentation.

9:15—NEWSREEL.

(Subject to Change)

Celeste Carlyle . . .

(*Continued from page* 10)

If several performers appear together, it is more pleasing if the tones in their clothes vary—in other words, one black, one off-white (better than dead white) and gradations of grey tones make a more interesting pattern than too much of one tone.

Jewelry, too, must be clean-cut and definite or it becomes a questionable mass of stuff. Plain gold or silver jewelry without stones, beads of pearl, metal, or composition show up well and often provide the necessary "break" for a mass. On the other hand, rhinestones, crystal, and other cut stones play tricks with the lights.

Anything that adds bulk to the silhouette should be avoided, and this applies to jewelry as well as clothing. Light weight dull surfaces are preferable to stiff satins and heavy woolens. Patterned materials are apt to give a cluttered look, especially on some screens.

I should say that the ideal costume for a person who appears once a week on television would be a basic dress in thin wool jersey in navy blue that will fit closely and be made so plainly that one could sew on a necklace or braid yoke, add a collar or braid down one side, and use the same dress with slight changes on many programs.

Giants May Forego TV

New York football fans may not see the Giants, pro ball club, via WJZ-TV during 1949 unless Jack Mara, Giants president, changes his mind. WJZ-TV paid Mara $35,000 for the rights to telecast games at the Polo Grounds. Now he's afraid TV is hurting the gate receipts.

Milwaukee Sets Doubled

The number of television receivers in Milwaukee, Wisconsin, area has more than doubled in the last three months, according to WTMJ-TV, the city's only video station. There are more than 9,500 receivers installed.

. . . The most accurate guide to Chicagoland Television programs. Changes too late for publication are given each Monday and Friday at 4:40 P.M. on RADIO Station WCFL 1000 on your radio dial.

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Channel 4 Forecast

Musi-- Gals

Monday, Wednesday, Friday—7:30 p.m.
Georgia and Gloria At Their Pianos

Joe Wilson's Hot Stove League

Tuesday—Thursday—7:30 p.m.
Sports Experts vs The Fans

Treasury Bond Show

Thursday—9:15 p.m.
Restful Entertainment

Sun-Times Comics

Friday—6:30 p.m.
A Preview of the
Sunday Sun-Times Comics

★ Channel 4

WBKB
Balaban & Katz

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